AMSAT Weekly Satellite Report
Issue: WSR-345
Date: 2006-12-11
Sources: amsat-ans-2006-wsr-345.txt

This report is organized into 4 parts.
Part 1 (S1) - operational analog amateur satellites
Part 2 (S2) - operational digital amateur satellites
Part 3 (S3) - non - operational satellites
Part 4 (S4) - proposed satellites

SB SAT @ AMSAT W8ISS ANS-345.S1
WSR 345 Part 1 12/11/2006

AMSAT NEWS SERVICE BULLETIN 345.S1 FROM AMSAT HQ
SILVER SPRING, MD, December 11, 2006
TO ALL RADIO AMATEURS
BID: $ANS-345.S1

VO-52 HAMSAT
Catalog number: 28650
Launch Date: May 05,2005

Status: Operational
Current Mode: U/V - Indian Transponder

Frequencies:
Indian Transponder:
Uplink: 435.220 MHz to 435.280 MHz LSB/CW
Downlink: 145.870 MHz to 145.930 MHz USB/CW

Dutch Transponder:
Uplink: 435.225MHz to 435.275MHz LSB/CW
Downlink: 145.875MHz to 145.925MHz USB/CW

Indian Beacon: 145.859330 MHZ CW
Dutch Beacon: 145.860MHz 12WPM with CW message

Mode and Antenna Polarization:
V: LHCP
U: RHCP

Official Webpage: http://www.amsat.in/hamsat.htm

To know what transponder is switched on please listen for the beacon
that is
active. Each transponder has a different beacon.
[10022006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
                 PBBS -   V/U - 9k6 PBP
                 Digipeater - OFF

Analog voice downlink: 435.300 MHz FM
                        435.150 MHz FM
                       2401.200 Mhz FM
Analog voice uplink: 145.880 MHZ FM

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                       145.880 MHz USB
                       145.920 MHz FM 67Hz PL tone
                      1268.700 MHz FM 67Hz PL tone
Digital Downlinks:     435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
                       435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
                      2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink:        145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
                      1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
   TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
SO-50 SAUDISAT-1C
Catalog number: 27607
Launched: December 20, 2002

Status: Operational.

Uplink:   145.850 MHz (67.0 Hz PL tone) (See below for operating
procedures)
Downlink: 436.795 MHz

Mode and Antenna Polarization:
V: Linear
U: Linear

Official Webpage: http://saudisat.kacst.edu.sa/index.shtml
(not up and running currently)

To switch the transmitter on, you need to send a CTCSS tone of 74.4 Hz.
The order of operation is thus: (allow for Doppler as necessary)
1) Transmit on 145.850 MHz with a tone of 74.4 Hz to arm the 10 minute
timer
   on board the spacecraft.
2) Now transmit on 145.850 MHz (FM Voice) using 67.0 Hz to PT the
repeater
   on and off within the 10 Minute window.
3) Sending the 74.4 tone again within the 10 minute window will reset
the 10
   minute timer.
[04172006]
=====
FO-29 JAS-2
Catalog number: 24278
Launch Date: August 17, 1996

Status: OPERATIONAL

Voice/CW Mode JA
Uplink:   145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
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Beacon:   435.795 MHz

Digital Mode JD
Uplink:   145.850 145.870 145.910 MHz FM
Downlink: 435.910 MHz 1200-baud BPSK or 9600-baud FSK
Callsign: 8J1JCS
Digitalker: 435.910 MHz

Mode and Antenna Polarization:
V: RHCP
U: RHCP

unOfficial Webpage: http://www.amsat.org/amsat-new/satellites/
satInfo.php?satID=5&retURL=/satellites/status.php

Mineo Wakita, JE9PEL, has created a simple decoder program for FO29's CW
telemetry downlink:
http://www.ne.jp/asahi/hamradio/je9pel/fo29cwts.htm
[11202006]
=====
AO-27 AMRAD
Catalog number: 22825
Launched: September 26, 1993

Status: Operational?

Uplink:   145.850 MHz FM
Downlink: 436.795 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

This off the AO-27 website:
For the last 5 weeks ground controllers have been trying to contact
AO-27. At
this point we have not been able to turn it on. We still have a few
tricks
that we are planning on trying but these take time. We are hoping that
we can
re-establish communications.

At this time, we don't have an estimate for when AO-27 will be back on
the
air.

AO-27 is now in its 14th year on orbit. We will continue to try to
recover
AO-27 until we run out of ideas.
- Michael N3UC

Official Webpage: http://www.ao27.org
[10232006]
=====
AO-7 AMSAT OSCAR 7
Catalog number: 07530
Launch Date: November 15, 1974

Status: Operational depending on amount of Sunlight
Current Reported mode: Mode-A

Uplink:   145.850 to 145.950 MHz CW/USB Mode A
          432.125 to 432.175 MHz CW/LSB Mode B
Downlink:  29.400 to 29.500 MHz CW/USB Mode A (1W PEP)
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          145.975 to 145.925 MHz CW/USB Mode B (8W PEP)
          145.975 to 145.925 MHz CW/USB Mode C (2W PEP)
Beacons:   29.502 MHz
          145.972 MHz
          435.100 MHz
         2304.100 MHz

Official Webpage:
http://www.amsat.org/amsat-new/satellites/sat_summary/ao7.php
The AO-7 Logbook and Resource Website:
http://www.planetemily.com/ao7/
AO-7 users are requested to log their contacts and observations about
AO-7,
especially any unexpected mode changes.
AO-07 telemetry software webpage:
http://www.qsl.net/k3tz/files/K3TZ_AO-07_Telemetry_Decoder_0.5.zip

Please keep your power low!  For additional information please read the
AO-7
Usage Guidelines on the AO-7 Log and Resource Site located at:
http://www.planetemily.com/ao7
[04242006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater:   OFF

The Expedition 14 crew is:
Commander:              Michael Lopez-Alegria - KE5GTK
Flight Engineer:        Mikhail Tyurin - RZ3FT
Flight Engineer:        Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink:   145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink:   145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink:      145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink:         437.800 MHz FM
Repeater Downlink:       145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German:  DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS
```

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Be aware that Radio activity may be curtailed with docking of STS-116
this
week. Watch ANS for more information.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is
NOT translated from Russian and posted.
[12112006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-345.S2
WSR 345 Part 2 12/11/2006

AMSAT NEWS SERVICE BULLETIN 345.S2 FROM AMSAT HQ
SILVER SPRING, MD, December 11, 2006
TO ALL RADIO AMATEURS
BID: $ANS-345.S2

HO-59 HITSat
Catalog number: 29484
Launch date: September 22, 2006

Status: Operational

Telemetry Downlink: 437.4250 MHz AFSK 1200 BPS
Beacon: 437.2750 MHz CW

Callsign: JR8YJT
[10302006]
=====
CO-58 XI-V
Catalog number: 28895
Launch Date: October 27, 2005

Status: Operational - CW only

Telemetry Downlink: 437.345MHz - FSK 1200bps using AFK protocol
Beacon: 437.465MHz - CW

Callsign: JQ1YGW

Oficial Webpage: http://www.space.t.u-tokyo.ac.jp/gs/satinfo-e.html#xi5
Pictures received by Mineo Wakita - JE9PEL:
http://www.ne.jp/asahi/hamradio/je9pel/
[09252006]
=====
CO-57 CubeSat XI-IV
Catalog number: 27848
Launched: June 30, 2006

Status: Operational

Beacon: 436.8475 MHz CW
Telemetry : 437.4900 MHz AFSK 1200 BPS
[10022006]
=====
CO-56 CUTE-1.7 + APD
Catalog number: 28941

```
Launched: June 30,2003

Status: Semi-Operational - Constant Carrier only

Uplink: ?
Downlink: 437.3850 CW
          437.4700 1200 FM ax25 or SRLL (ACTIVE only near Japan ? )

Information webpage:
http://lss.mes.titech.ac.jp/ssp/spacerium/cute1blog/
[09252006]
=====
AO-51 ECHO
Catalog number: 28375
Launch date: June 29, 2004

Status: Operational
Current Mode(s): FM Repeater - V/U - Tone
                 PBBS -        V/U - 9k6 PBP
                 Digipeater -  OFF

Analog voice downlink: 435.300 MHz FM
                        435.150 MHz FM
                       2401.200 Mhz FM
Analog voice uplink:    145.880 MHZ FM
                        145.880 MHz USB
                        145.920 MHz FM 67Hz PL tone
                       1268.700 MHz FM 67Hz PL tone
Digital Downlinks:      435.150 MHz FM, 38k4 Digital, PBP, 1 watt output
                        435.150 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
                       2401.200 MHz FM, 38k4 bps, AX.25
Digital Uplink:         145.860 MHz FM, 9k6 Digital, Pacsat Broadcast
Protocol
                       1268.700 mhz FM, 9k6 PBP Digital

Mode and Antenna Polarization:
T: Linear
V: Linear
U: TX A (usually digital)LHCP
   TX B (usually analog) RHCP
L: Linear
S: Linear

Broadcast: PECHO-11
BBS: PECHO-12

Official Webpage: http://www.amsat.org/amsat-new/echo/
[11013006]
=====
NO-44 PCSAT
Catalog number: 26931
Launch Date: September 30, 2001

Status: RECOVERY EFFORTS - REFRAIN FRON USAGE!!!

General Usage Uplink/Downlink:145.827 MHz 1200 Baud
Special Usage Downlink: 144.390 Mhz 1200 Baud

PCSAT APRS page: http://pcsat.aprs.org
aprstlm Telemetry Decoder program:
http://www.xciv.org/~iain/aprstlm/v1.2/
[09252006]
=====
```

GO-32 Gurwin TechSat-1B
Catalog number: 25397
Launch Date: July 10, 1998

Status: CLOSED - Maintenance

Downlink: 435.225 MHz FM (9600-baud FSK)
          435.325 Mhz - Not Available - temperature problems
Uplinks: 145.850 FM
          145.890 FM
          145.930 FM
         1269.700 FM
         1269.800 FM
         1269.900 FM
Broadcast Callsign: 4XTECH-11
BBS Callsign: 4XTECH-12

More information of GO-32 can be found at:
http://www.iarc.org/techsat/techsat.html
[11272006]
=====
RS-22 Mozhayets 4
Catalog number: 27939
Launch Date: September 27, 2004

Status: Operational

Beacon: 435.3520 MHz CW
=====
AO-16 PACSAT
Catalog number: 20439
Launch Date: January 22, 1990

Status: Semi-operational, the digipeater command is on and open for APRS
users.

Uplink: 145.900 FM
       145.920 FM
       145.940 FM
       145.960 FM
(using 1200-baud Manchester FSK)
Downlink: 437.026 MHz SSB (1200-baud PSK)
Mode-S Beacon: 2401.1428 MHz

Mode and Antenna Polarization:
U: RC 437.050 MHz RHCP
  PSK 437.025 MHz LHCP
V: Linear

Broadcast Callsign: PACSAT-11
BBS: PACSAT-12

AO-16 AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/ao16.html
[04172006]
=====
UO-11 OSCAR-11
Catalog number: 14781
Launched: March 1, 1984

Status: Semi-operational

Telemetry Downlink: 145.826 MHz. FM (1200-baud AFSK) approx. 10 days ON,
10
                    days OFF

Mode-S Beacon: 2401.500 MHz - OFF
UHFBeacon: 435.025 MHz - OFF

Mode and Antenna Polarization:
V: RHCP
S: LHCP

Official webpage: http://www.users.zetnet.co.uk/clivew/
MPEG3 files: http://www.ne.jp/asahi/hamradio/je9pel/uo11tlme.htm
[10302006]
=====
INTERNATIONAL SPACE STATION (ISS) - ARISS
Catalog number: 25544
Launch date: November 20, 1998

Status: Operational
Current Mode: Occasional Voice
Digipeater: OFF

Expedition Crew 14 is:
Commander: Michael Lopez-Alegria - KE5GTK
Flight Engineer: Mikhail Tyurin - RZ3FT
Flight Engineer: Thomas Reiter - DF4TR

Digital/APRS:
Worldwide packet uplink: 145.990 MHz FM
Worldwide packet downlink: 145.800 Mhz FM

Voice:
Region 1 voice uplink: 145.200 MHz FM
Region 2/3 voice uplink: 144.490 MHz FM
Worldwide downlink: 145.800 MHz FM

SSTV TESTING:
Worldwide Reported Downlink: 145.800 MHz FM

Crossband Repeater:
Repeater Uplink: 437.800 MHz FM
Repeater Downlink: 145.800 MHz FM

Mode and Antenna Polarization:
V: Linear
U: Linear

Callsigns:
German: DP0ISS
Russian: RS0ISS, RZ3DZR
USA: NA1SS
Packet Mailbox: RS0ISS-11
Packet Keyboard: RS0ISS-3
Digipeater callsign: ARISS

Official ARISS Webpage: http://www.rac.ca/ariss
ISS Fan Club Webpage: http://www.issfanclub.com
APRS tracking page: http://www.ariss.net/

Be aware that Radio activity may be curtailed with docking of STS-116
this
week. Watch ANS for more information.

ISS Daily Crew Schedule: http://spaceflight.nasa.gov/station/timelines/
Remember that the crew operates on UTC time. Also, all of the time line
is NOT translated from Russian and posted.
[12112006]

NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-345.S3
WSR 345 Part 3 12/11/2006

AMSAT NEWS SERVICE BULLETIN 345.S3 FROM AMSAT HQ
SILVER SPRING, MD, December 11, 2006
TO ALL RADIO AMATEURS
BID: $ANS-345.S3

THE FOLLOWING ARE IN ORBIT BUT ARE NON-OPERATIONAL AT THIS TIME:

NCUBE-2
Catalog number: 28897
Launch Date: October 27, 2005

Status: Still attached to XO-53 (SSETI)?

Proposed Callsign: TBA
Proposed Transmit Frequency: 437.305
                              2407.250

Official Website: http://www.ncube.no
[05012006]
=====
XO-53 SSETI
Catalog number: 28894
Launch Date: October 27, 2005

Status: Non-operational

Voice Uplink: 437.250 FM 67Hz CTCSS
Voice Downlink: 2401.835 FM
Packet Up/Downlink: 437.250 9k6 packet
Packet Downlink 2401.835 38k4 packet

Official webpage: http://sseti.gte.tuwien.ac.at/WSW4/
Latest news: http://sseti.gte.tuwien.ac.at/WSW4/MOPWS/news.php
[01292006]
=====
TO-31 TMSAT-1
Catalog number: 25396
Launch Date: July 10, 1998

Status: Non-operational

Uplink: 145.925 MHz 9600 baud FSK
Downlink: 436.925 MHz 9600 baud FSK

Broadcast callsign: TMSAT1-11
BBS: TMSAT1-12
[05012006]
=====
PO-28 POSAT-1
Catalog number: 22829
Launch Date: September 25, 1993

Status: Operational - Not open for Amatuer use

Downlink: 429.950
Uplink: Not until handover back to Amatuer usage

Broadcast callsign: POSAT1-11

BBS callsign: POSAT1-12

AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/po28.html
POSAT-1 webpage:
http://www.ee.surrey.ac.uk/SSC/CSER/UOSAT/missions/posat1.html
[01012006]
=====
AO-10 OSCAR 10
Catalog number: 14129
Launched: June 16, 1983

Status: Non-operational

Uplink: 435.030 to 435.180 MHz CW/LSB
Downlink: 145.975 to 145.825 MHz CW/USB
Beacon: 145.810 MHz (unmodulated carrier)

W4SM has more information about the satellite at the following URL:
http://www.cstone.net/~w4sm/AO-10.html
[05092004]
=====
IO-26 ITAMSAT
Catalog number: 22826
Launch Date: September 26, 1993

Status: Downlink only

Uplink: 145.875 145.900 145.925 145.950 MHz FM (1200-baud)
Downlink: 435.808 MHz PSK
Broadcast Callsign: ITMSAT-11
BBS: ITMSAT-12

Official webpage: http://www.itamsat.org
AMSAT Webpage: http://www.amsat.org/amsat/sats/n7hpr/io26.html
[01012006]
=====
RS-12 RADIO SPORT RS-12
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.210 to 21.250 MHz CW/USB
Downlink: 29.410 to 29.450 MHz CW/USB
Beacon: 29.408 MHz
Robot: 29.454 MHz
[05232004]
=====
RS-13 RADIO SPORT RS-13
Catalog number: 21089
Launched: February 5, 1991

Status: Non-operational

Uplink: 21.260 to 21.300 MHz CW/USB
Downlink: 145.860 to 145.900 MHz CW/USB
Beacon: 145.860 MHz
Robot: 145.908 MHz
[05232004]
=====
UO-14 UoSAT-3
Catalog number: 20437
Launched: January 22, 1990

Status: Non-operational

Uplink 145.975 MHz FM
Downlink 435.070 MHz FM
[05092004]
=====
UO-22 UOSAT
Catalog number: 21575
Launched: July 17, 1991

Status: Non-Operational

Uplink: 145.900 FM 9600-baud FSK
Downlink: 435.120 MHz FM
Broadcast Callsign: UOSAT5-11
BBS: UOSAT5-12
[01092005]
=====
RS-15 RADIO SPORT RS-15
Catalog number: 23439
Launch Date: December 26, 1994

Status: Non-operational?

Uplink: 145.858 to 145.898 MHz CW/USB
Downlink: 29.354 to 29.394 MHz CW/USB
Beacon: 29.352 MHz (intermittent)
SSB meeting frequency: 29.380 MHz (unofficial)
[06202004]
=====
LO-19 LUSAT
Catalog number: 20442
Launched: January 22, 1990

Status: CW Beacon only

Uplink: 145.84 145.86 145.88 145.90 MHz FM
(using 1200-baud Manchester FSK)
CW downlink: 437.125 MHz
Digital downlink: 437.150 MHz SSB (RC-BPSK 1200-baud PSK)

Broadcast Callsign: LUSAT-11
BBS: LUSAT-12o

General information and telemetry samples can be found at:
www.telecable.es/personales/ea1bcu
[05232004]
=====
FO-20 JAS-1b
Catalog number: 20480
Launch Date: February 07, 1990

Status: Non-Operational

Uplink: 145.90 to 146.00 MHz CW/LSB
Downlink: 435.80 to 435.90 MHz CW/USB
Beacon: 435.795

More FO-20 info can be found at:
http://www.amsat.org/amsat/sats/n7hpr/fo20.html
[08152004]
=====
KO-23 KITSAT
Catalog number: 22077

Launched: August 10, 1992

Status: Non-operational

Uplink: 145.900 MHz FM (9600-baud FSK)
Downlink: 435.170 MHz FM
Broadcast Callsign: HLO1-11
BBS: HLO1-12

Jim, AA7KC, reports that KO-23's downlink transmitter continues in a non-operational status.
[05092004]
=====
KO-25 KITSAT
Catalog number: 22828
Launched: September 26, 1993

Status: Non-operational

Uplink: 145.980 MHz FM (9600-baud FSK)
Downlink: 436.500 MHz FM
Broadcast Callsign: HL02-11
BBS: HL02-12
[05092004]
=====
PO-34 PANSAT
Catalog number: 25520
Launched: October 30, 1998

Status: Telemetry downloads only

Uplink/downlink: 436.500 MHz

Official Webpage: http://www.sp.nps.navy.mil/pansat/
[05092004]
=====
SO-33 SEDSAT-1
Catalog number: 25509
Launched: October 24, 1998

Status: Semi-operational

Downlink: 437.910 MHz FM (9600-baud FSK)

The satellite is not currently available for uplink transmissions and the image and transponder recovery efforts have been unsuccessful.

For more information on SedSat-1 visit the satellite web site:
http://seds.uah.edu/projects/sedsat/sedsat.htm

[ANS-WSR has no further information]
[09042006]
=====
SO-35 SUNSAT
Catalog Number: ?
Launched:February 23, 1999

STatus: Non-Operational

Downlink: Mode B Repeater: 436.291 MHz
Mode J Digipeater: 436.250 MHz

Uplinks: Mode B Repeater: 145.825 MHz
Mode J Digipeater: 145.825 MHz and 145.900 MHz

For more information of SUNSAT vist the satellite web site:
http://esl.ee.sun.ac.za/projects/sunsat/
[08082004]
=====
UO-36 UoSAT-12
Catalog number: 25693
Launched: April 21, 1999

Status: Unknown

Uplink: 145.960 MHz (9600-baud FSK)
Downlink: 437.025 MHz 437.400 MHz
Broadcast Callsign: UO121-11
BBS: UO121-12

The VK5HI viewer shareware for UO-36 is available on the AMSAT-NA web
site
at the following URL:
ftp://ftp.amsat.org/amsat/software/win32/display/ccddsp97-119.zip
[05092004]
=====
AO-40 AMSAT OSCAR 40
Catalog number: 26609
Launch Date: November 16, 2000

Status: Non-Operational

Uplink V-band   145.840 - 145.990 MHz CW/LSB
      U-band   435.550 - 435.800 MHz CW/LSB
      L1-band 1269.250 - 1269.500 MHz CW/LSB
      L2-band 1268.325 - 1268.575 MHz CW/LSB
Downlink: S2-band 2401.225 - 2401.475 MHz CW/USB
         K-band 24,048.010 - 24,048.060 MHz CW/USB
Beacon: 2401.323
        24,048.035
[05232004]
=====
SO-42 SAUDISAT-1B
Catalog number: 26549
Launched: September 26, 2000

Status: Non-Operational
Downlink: 437.075 MHz
Broadcast Callsign: SASAT2-11
BBS: SASAT2-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so42.html
[08152004]
=====
SO-41 SAUDISAT-1A
Catalog number: 26545
Launch Date: September 26, 2000

Status: Non-Operational

Uplink: 145.850 MHz
Downlink: 436.775 MHz
Broadcast Callsign: SASAT1-11
BBS: SASAT1-12

Further information is available at:
http://www.amsat.org/amsat/sats/n7hpr/so41.html

[08152004]
=====
NO-45 SAPPHIRE
Catalog number: 26932
Launch Date: September 30, 2001

Status: Non-Operational

Downlink: 437.095 MHz 1200 baud AX-25 AFSK
Uplink: 145.945 MHz UI Digipeater
Digi Callsign: KE6QMD

Everyone is welcome to use the digipeating/APRS features of Sapphire,
call-
sign KE6QMD, as per the user service agreement located at the following
URL:
http://web.usna.navy.mil/~bruninga/pcsat/contract.txt
[03132005]
=====
MO-46 TIUNGSAT-1
Catalog number: 26548
Launched: September 26, 2000

Status: Operational

Uplink: 145.850 or 145.925 MHz 9600-baud FSK
Downlink: 437.325 MHz
Broadcast callsign: MYSAT3-11
BBS: MYSAT3-12

TiungSat-1 is Malaysia's first micro-satellite and in addition to
commercial
land and weather imaging payloads offers FM and FSK Amateur Radio
communica-
tion.

TiungSat-1, named after the mynah bird of Malaysia, was developed as a
collaborative effort between the Malaysian government and Surrey
Satellite
Technology Ltd.
[11202005]
=====
AO-49 AATiS OSCAR-49 (SAFIR-M)
Catalog number: 27605
Launch Date: December 20, 2002

Status: Non-operational.

Uplink 435.275 1200-baud AFSK
Downlink 145.825 9600-baud FSK
(optional voice message)
Broadcast callsign: DP0AIS

Official webpage: http://amend.gmxhome.de
[01012006]
=====
DO-17 Dove
Catalog Number: 20440
Launch Date: January 22, 1990

Status: Non-operational.

Downlink: Downlink 145.825 MHz FM 1200 Baud AFSK
Beacon: 2401.220 MHz

[05012006]
=====
WO-18 WEBERSAT
Catalog Number: 20441
Launch Date: January 22, 1990

Status: Non-Operational

Downlink: 437.104 MHz SSB 1200 Baud PSK AX.25
[05012006]
NNNN
/EX

SB SAT @ AMSAT W8ISS $ANS-345.S4
WSR 345 Part 4 12/11/2006

AMSAT NEWS SERVICE BULLETIN 345.S4 FROM AMSAT HQ
SILVER SPRING, MD, December 11, 2006
TO ALL RADIO AMATEURS
BID: $ANS-345.S4

THE FOLLOWING SATELLITES ARE NOT IN ORBIT BUT ARE
PROPOSED FOR LAUNCH AT THIS TIME:

PHASE 3E ?O-??
Catalog number:
Proposed Launch Date: Early/Mid 2007

Status: Under Construction

For the latest project status update please visit the AMSAT-DL P3-E web
page:
http://www.amsat-dl.org/p3e/
[ANS-WSR wishes to thank William Leijenaar, PE1RAH for this week's
report]
[04242006]
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ANS is released worldwide via the AMSAT ANS e-mail reflector and a live
radiocast on the AMSAT-NA 20-meter net held each Sunday on 14.282 MHz.
Pre-net operations start at 18:00 UTC, with current ANS bulletins trans-
mitted to the eastern U.S. at 19:00 UTC and to the western U.S. at 19:30
UTC.

Information on AMSAT-NA is available at the following URL:
http://www.amsat.org

Mailing address:
AMSAT-NA
850 Sligo Avenue, Suite 600
Silver Spring, Maryland 20910-4703

Voice: 301-589-6062
       888-322-6728
FAX: 301-608-3410

Currently, AMSAT-NA supports the following (free) mailing lists:

* AMSAT News Service (ANS)
* General satellite discussion (AMSAT-BB)
* Orbit data (KEPS)
* Manned space missions (SAREX)
* District of Columbia area (AMSAT-DC)

* New England area (AMSAT-NE)
* AMSAT Educational Liaison mailing list (AMSAT-EDU)
* AMSAT K-12 Educational Liaison mailing list (AMSAT-K12)

A daily digest version is available for each list.

To subscribe, or for more list information, visit the following URL:
http://www.amsat.org/amsat/listserv/menu.html

In addition to regular membership, AMSAT-NA offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT-NA Office.

This week's Weekly Satellite Report Editor is James French, W8ISS.

ANS is always dedicated to past ANS editor 'BJ' Arts, WT0N, and to the memory of longtime AMSAT supporters Werner Haas, DJ5KQ, Dennis Kitchen, G0FCL and John Branegan GM4IHJ.

Please send any amateur satellite news or reports to:
ans-editor{at}amsat.org
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/EX